## AMENDMENTS TO THE SPECIFICATION

Replace paragraph [0017] of the application as filed with:

[0017] Preferably the preparation of kifunensine from the compound of formula (I) includes the steps of:

- (e) oxamoylation of the compound of formula (I) to give a 2-oxamoylamino-D-mannitol;
- (f) removal of the R3 protecting group (if R3 is not H);
- (g) oxidation of the C-6 carbon atom to give a 2-oxamoylamino-D-mannose 5-oxamoylamino-D-mannose;
- (h) double cyclisation of the 2-oxamoylamino-D-mannose 5-oxamoylamino-D-mannose to give kifunensine with four protected hydroxyl groups; and
- (i) removal of the four hydroxyl protecting groups to give kifunensine.

Replace paragraph [0024] of the application as filed with:

[0024] In a preferred embodiment of the invention, the preparation of kifunensine includes the steps:

- (a) silylation of N-acetyl-D-mannosamine using tert-butyldiphenylsilyl chloride as silylating agent, to give 6-O-tert-butyldiphenylsilyl-2-deoxy-2-acetylamino-D-mannose;
- (b) reduction of 6-O-tert-butyldiphenylsilyl-2-deoxy-2-acetylamino-D-mannose using sodium borohydride as reducing agent, to give 6-O-tert-butyldiphenylsilyl-2-deoxy-2-acetylamino-D-mannitol;
- (c) protection of the four hydroxy groups of 6-O-tert-butyldiphenylsilyl-2-deoxy-2-acetylamino-D-mannitol using 2,2-dimethoxypropane in the presence of acetone, to give 6-O-tert-butyldiphenylsilyl-2-deoxy-1,3:4,5-di-O-isopropylidene-2-acetylamino-D-mannitol;
- (d) double deprotection of the 6-O- and N-protecting groups of 6-O-tert-butyldiphenylsilyl-2-deoxy-1,3:4,5-di-O-isopropylidene-2-acetylamino-D-mannitol using aqueous barium hydroxide, to give 2-amino-2-deoxy-1,3:4,5-di-O-isopropylidene-D-mannitol;

- (e) oxamoylation of 2-amino-2-deoxy-1,3:4,5-di-O-isopropylidene-D-mannitol using oxamic acid and 1,1'-carbonyldiimidazole, to give 2-deoxy-1,3:4,5-di-O-isopropylidene-2-oxamoylamino-D-mannitol;
- (f) oxidation of 2-deoxy-1,3:4,5-di-O-isopropylidene-2-oxamoylamino-D-mannitol using pyridinium dichromate in the presence of activated molecular sieves and pyridinium trifluoroacetate, to give 5-deoxy-2,3:4,6-di-O-isopropylidene-2-oxamoylamino-D-mannose 5-deoxy-2,3:4,6-di-O-isopropylidene-5-oxamoylamino-D-mannose;
- (g) double cyclisation of 5-deoxy-2,3:4,6-di-O-isopropylidene 2-oxamoylamino-D-mannose 5-deoxy-2,3:4,6-di-O-isopropylidene-5-oxamoylamino-D-mannose using a methanolic ammonia solution, to give 2,3:4,6-di-O-isopropylidene-kifunensine; and
- (h) deprotection of 5,6:7,8 di O isopropylidene-kifunensine 2,3:4,6-di-O-isopropylidene-kifunensine, using methanolic hydrochloric acid, to give kifunensine.

Replace paragraph [0064] of the application as filed with:

[0064] di-n-Butyl oxalate (261 mg, 1.29 mmol) was dissolved in 3 mL of n-butanol, under an inert atmosphere, at 25 °C. The amino alcohol (5) (225 mg, 0.86 mmol) was added as a single portion and the resulting solution was heated to 85 °C and agitated for 16 hours. The solvent was removed under reduced pressure to provide a colourless oil. The oil was then partitioned between ethyl acetate (15 mL) and water (5 mL) and the organic layer further extracted with water (2 x 5 mL). The organic layer was dried over magnesium sulfate, filtered and the solvent removed under reduced pressure affording a colourless residue (261 mg). The residue was dissolved in 10 mL of approx. 7 N methanolic ammonia and the resulting suspension (the formation of a white precipitate is immediately observed) was sealed and stirred for 16 h at 20 °C. The suspension was filtered through and the cake washed with methanol (2 x 10 mL). The solvents were concentrated under reduced pressure and the resulting residue was co-distilled twice with dichloromethane (2 x 10 mL) to afford (6) as a white solid (140 mg, 49%). This material has been previously reported (H. Kayakiri, C. Kasahara, K. Nakamura, T. Oku, and M. Hashimoto, Chem. Pharm. Bull., 39, 1392, 1991) and data obtained corresponded to that observed in the literature.

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## EXAMPLE 9: PREPARATION OF 5-DEOXY-2,3:4,6-DI-*O*-ISOPROPYLIDENE-5-OXAMOYLAMINO-D-MANNOSE

